

# FRESH MUDD: TRANSFORMING A SUBJECT BRANCH

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Presented at *Re-think it: Libraries for a New Age*  
Austin, Texas, January 2018

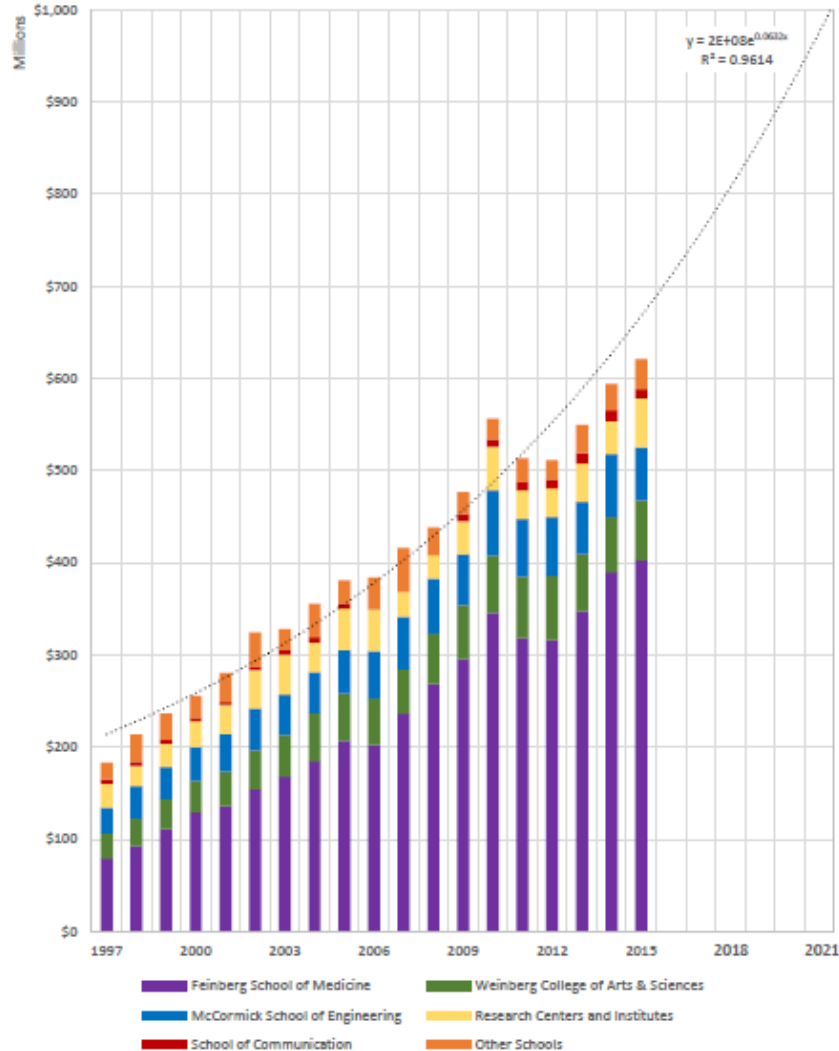
# FRESH MUDD: OVERVIEW

- Why?
  - University sought space for growth of STEM faculty and labs, adjacent to other related buildings
- What?
  - Reconstruct 3-story branch into larger building with library only one floor
  - Library Master Plan: “Reimagine an information resources facility for the north campus”
  - Students sought: Inviting atmosphere, access after midnight, individual and group work spaces
- When and How?
  - January 2015 request from the Provost’s Office
  - September 2017 – Mudd opens
  - Libraries involved in planning and design from beginning and throughout construction
  - Off-site storage enabled major collections shifts



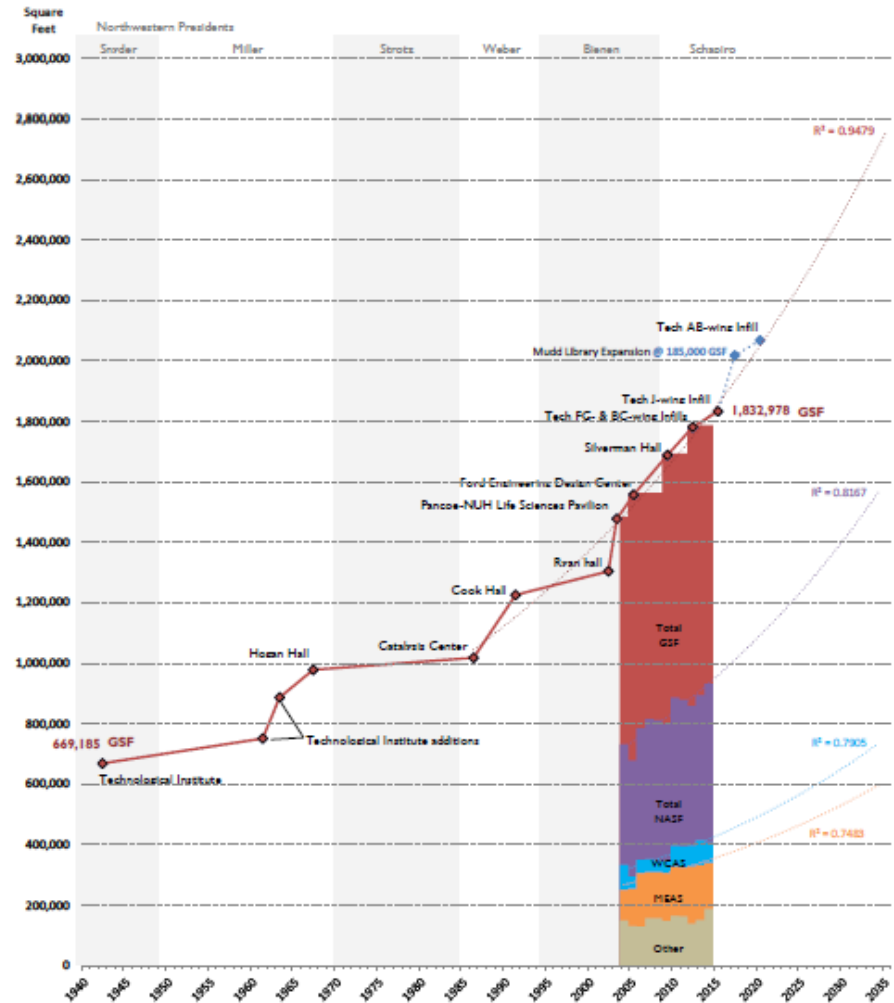
# UNIVERSITY FOCUS ON SPONSORED RESEARCH

Northwestern University, Total Annual Research Awards  
with exponential regression and projection at 6.3% per year



Growth of Funded Research

Science Complex on Evanston Campus  
Growth in Area Over Time

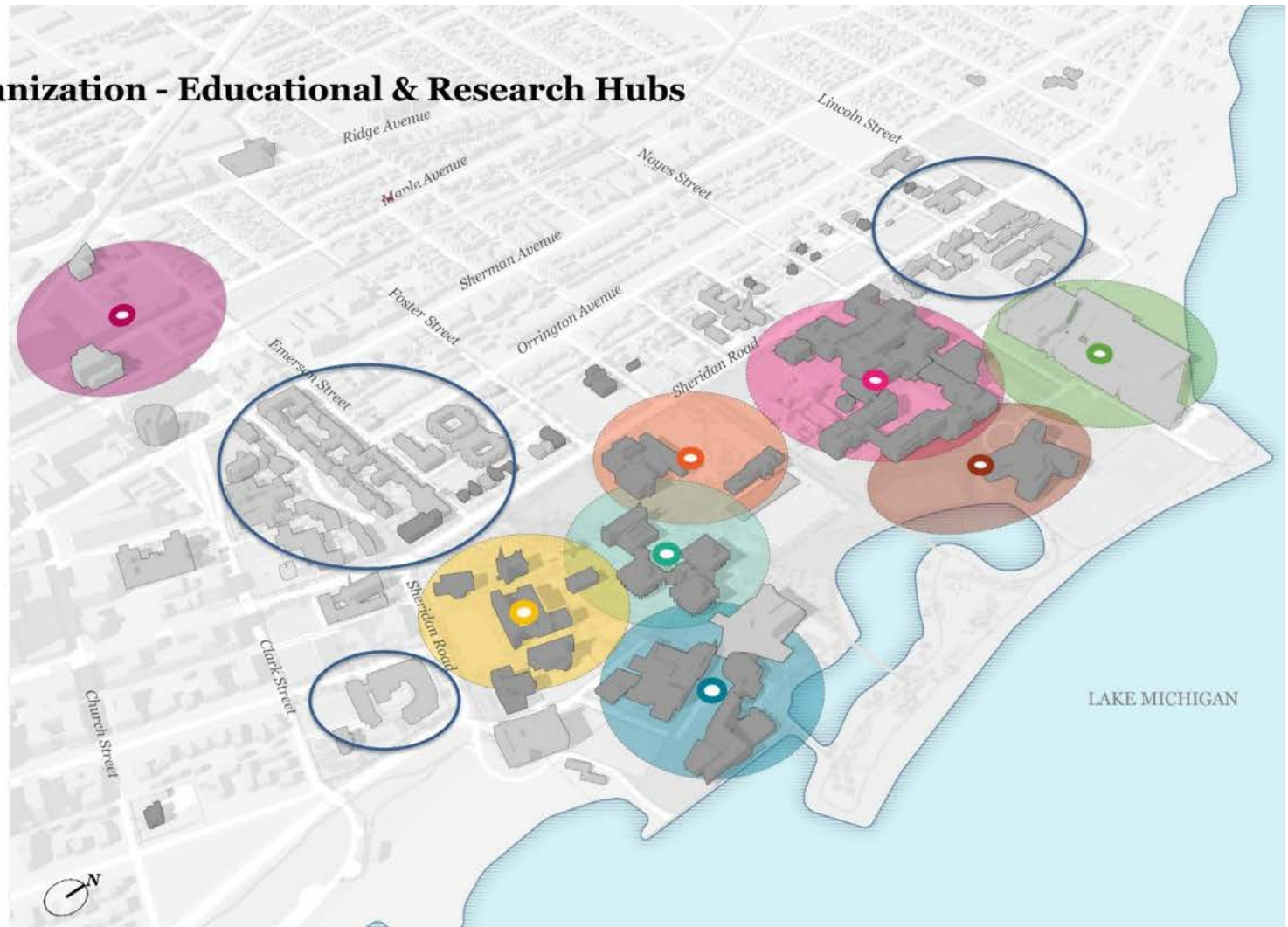


Growth of Science Complex

# CAMPUS PRECINCTS

## Campus Organization - Educational & Research Hubs

- Academic Buildings
- Non Academic Buildings
- Technology & Sciences Hub
- Translational Research Hub
- Social Sciences Hub
- Interdisciplinary Hub
- Business & Economics Hub
- Humanities and Journalism Hub
- Arts & Music Hub
- Athletics & Recreation Hub
- Residence Halls





# SEELEY G. MUDD LIBRARY

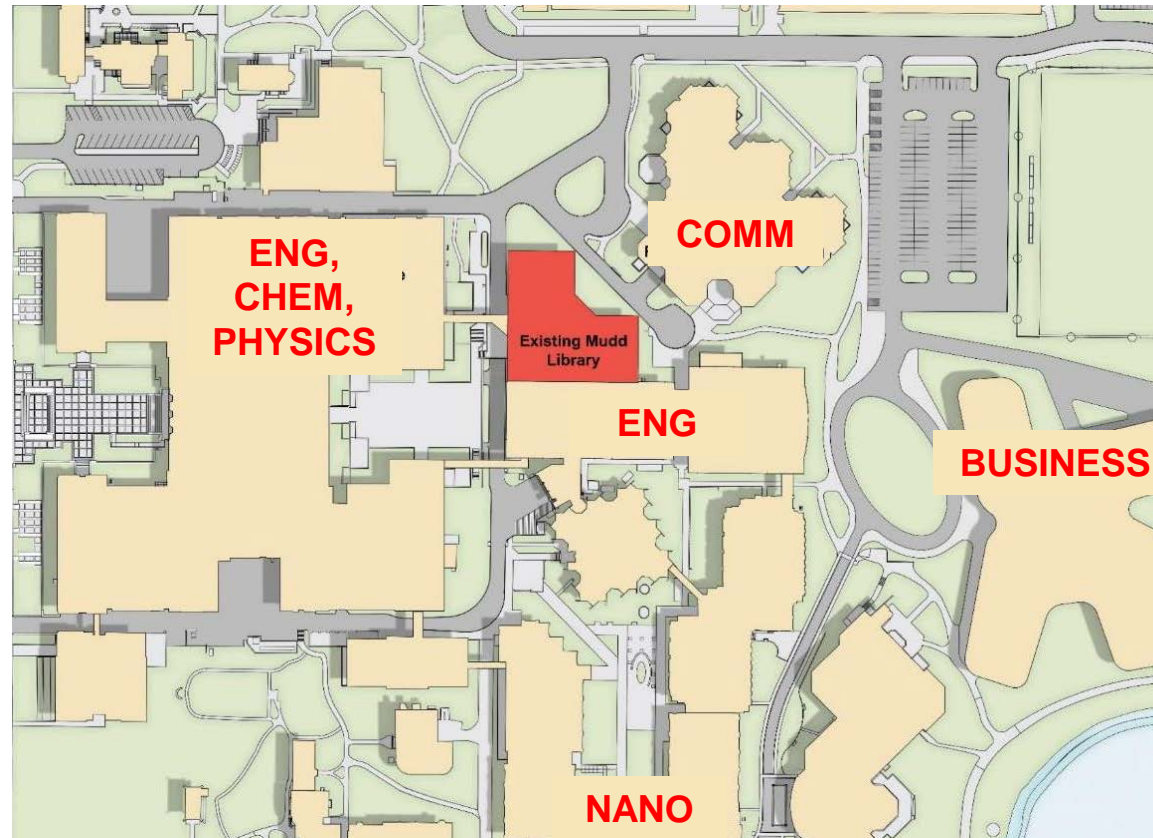
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- Originally constructed in 1976
- Served as the Science and Engineering Library
- Located in the middle of the science complex
- Only accessible via bridge



# FROM MUDD LIBRARY TO MUDD HALL

- Relocate 100,000 volumes from Seeley G. Mudd to a remote facility off campus, and 75,000 to Main Library
- Use the ground floor for laser research
- Expand the footprint to provide renovated library services all on the second floor
- Upper three floors for faculty in computer science, engineering and physical sciences



# PLANNING FOR THE FUTURE

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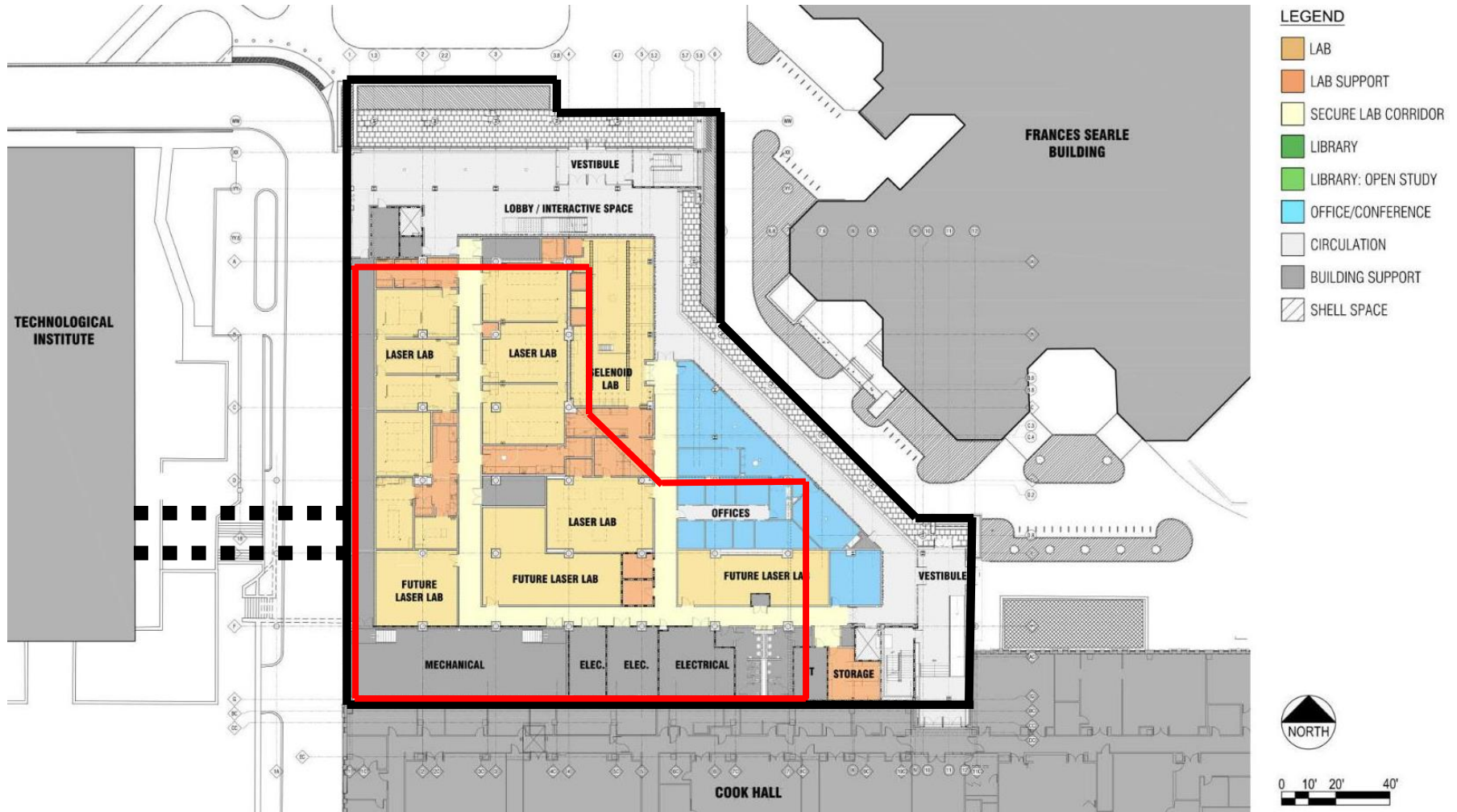


- Re-thinking space by dramatically reducing collections
- Library as space for interaction and technology
- Respond to academic diversification on north campus
- Research help from library staff
- Teaching and learning space instead of storage

Photo: AJ Brown Imaging



# BECOMING MUDD HALL - NEW FOOTPRINT



Original Mudd Library footprint

New Mudd Hall footprint

Bridge to Tech Institute at second floor



# PLANNING GOALS

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- 24-hour access with security
- Large, flexible study room that could be used for functions
- Group study rooms, reservable
- GIS, video and maker space labs
- Active learning classrooms
- Visible librarian and staff offices
- Core of compact shelving with self-check
- Convenience features – lockers, vending machines
- Ground floor entrance

# ZONING AN INFORMATION SERVICES SPACE

## Public Program

OPEN STUDY - Q



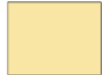
OPEN STUDY - L



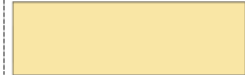
INDIVIDUAL STUDY - Q/C



S.CLASSROOMS



M. CLASSROOM



STOR.



S/GROUP STUDY



L/GROUP STUDY



## Secure Program

SERVICE DESK



EXHIB. SPACE



STORAGE



OPEN STUDY- QUIET



STUDY-QUIET



-CARRELS

BREAK ROOM



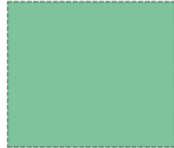
OPEN COMP LAB SPACE



MAKER SPACE



PRINT - MONOGRAPHS  
- STACKS



COLLECTIONS  
PROCESSING/WORK ROOM



PRINT - CRRM  
- STACKS



S/P PRESENT.  
ROOM



LIBRARIAN OFFICE



STAFF OFFICE



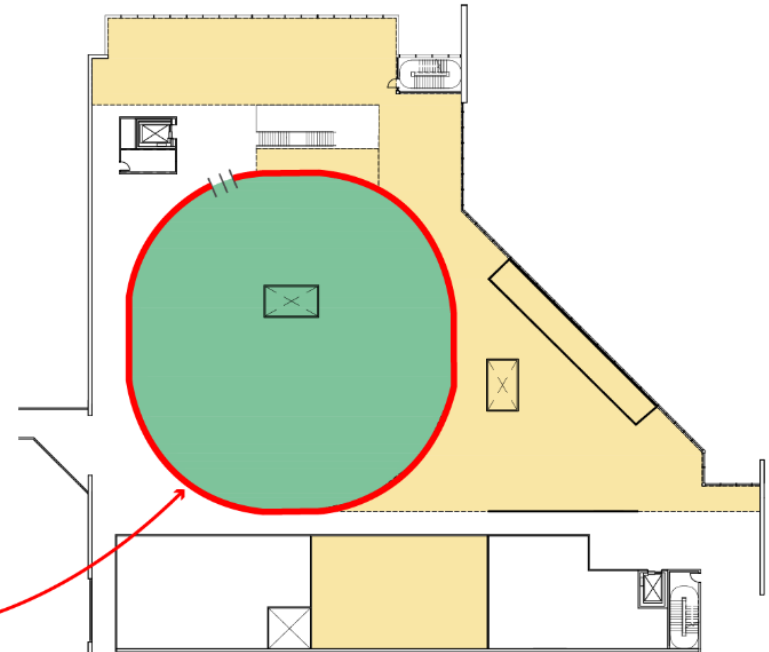
CONSULTATION  
ROOM



STOR.



MEETING ROOM



# A DRAMATIC NEW ENTRANCE – AND A FRONT DOOR!

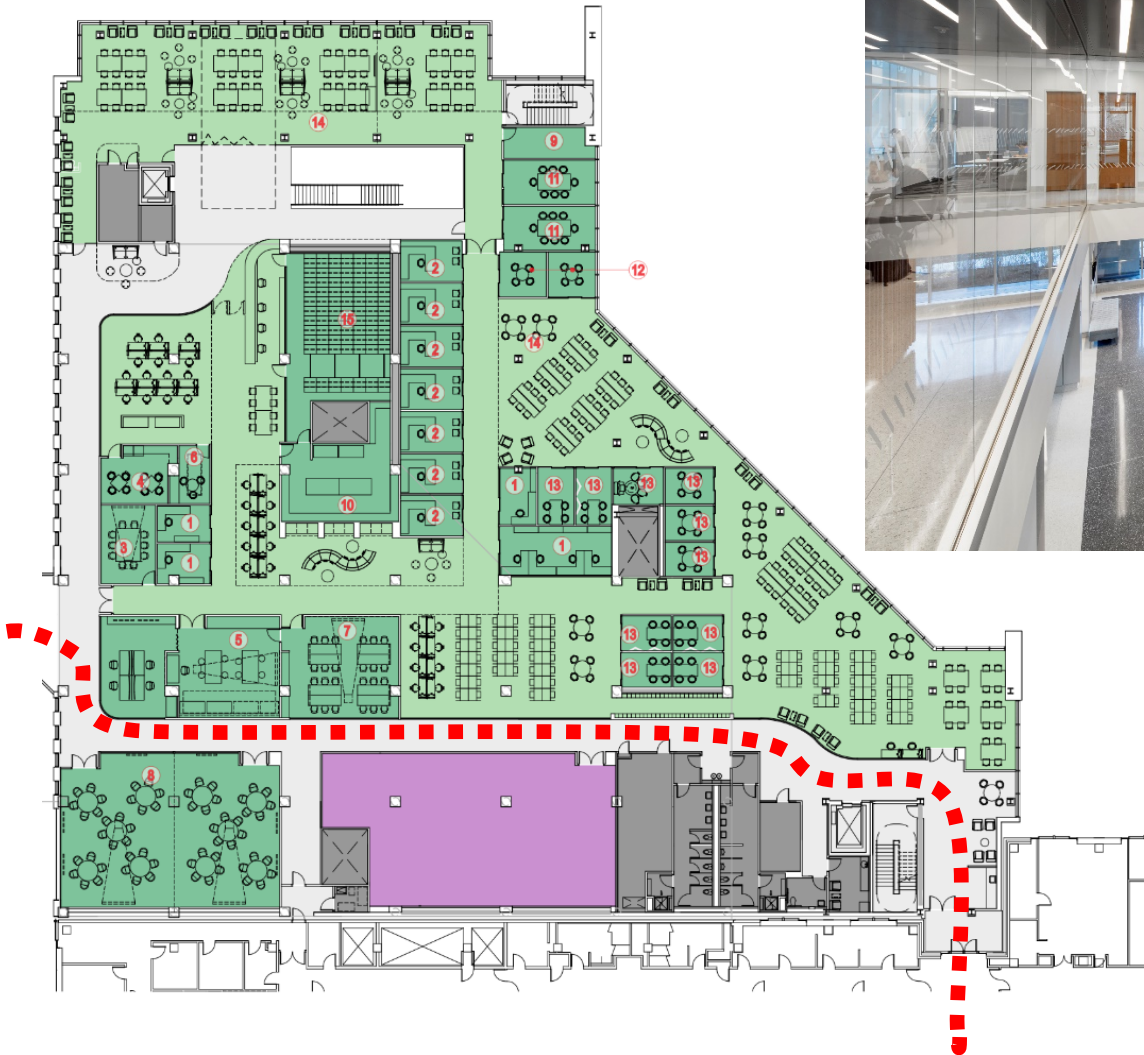


Photo: AJ Brown Imaging



# INTERIOR DESIGN USES UNIVERSITY “PALETTE”



Photo:s AJ Brown Imaging



**Fresh Mudd: Transforming a subject branch  
Northwestern Libraries • 2018**

# TECH HIGHLIGHTS: LIGHTBOARD STUDIO, GIS



The Lightboard is a glass chalkboard pumped full of light. It's for recording video lecture topics. You face toward your viewers, and your writing glows in front of you. You write normally and it is automatically flipped for the viewer.

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# INTO THE FUTURE

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## BEFORE

- 48,000 square feet
- 350,000 volume capacity
- 617 user seats
- 10 Library staff
- 1 teaching space
- 22 public computers
- 9 reservable collab rooms

## AFTER

- 24,000 square feet (50%)
- 30,000 volume capacity (8.5%)
- 477 user seats (77%)
- 16 Library staff (160%)
- 2 teaching spaces
- 36 public computers
- 12 reservable collab rooms
- GIS data visualization lab
- Lightboard studio
- 3D printers & maker space
- Showers & lactation room



# SEELEY G. MUDD HALL

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Photo: AJ Brown Imaging

- Opened September 2017
- First Floor: 15,400 NSF Laser Lab and Sensitive Physics Research
- Second Floor: 24,000 NSF North Campus Library, 24/5 operations
- Third, Fourth, and Fifth Floors: 72,130 NSF shell space for future research needs

## LESSONS LEARNED

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- Have a facilities master plan, and have it reviewed/approved by central administration. Even if you do not have funding for renovations, it's valuable to know what you would like to do with your existing facilities over the next 5-10 years and be ready if a new opportunity arises.
- Allow enough time to purchase, install and commission new technology. Confirm funding sources and campus partnerships in writing, and cross-train staff to use all of your new equipment.
- Collaborate with faculty to develop and deploy teaching and learning technology. The new "Lightboard" studio was added to the project about six months before completion.
- Think critically about reducing your collections footprint in favor of more collaborative and study space.
- New spaces are an important opportunity to rethink service and staffing models.

## WE WELCOME YOUR QUESTIONS

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